

WHAT IS CLAIMED IS:

1. A layer forming relief for transferring and printing an application fluid applied on printing convex portions on a printing object, the layer forming relief comprising the printing convex portions formed as a strip, and a plurality of micro-projections distributed on top faces of the printing convex portions so as to form a groove between adjoining micro-projections for retaining the application fluid.

2. The layer forming relief according to Claim 1, wherein the micro-projection is formed into a conical or cylindrical shape, and the height of the micro-projection is in the range of 2 to 50  $\mu\text{m}$ , the diameter of the top face of the micro-projection is 5  $\mu\text{m}$  or more, the space between the adjoining micro-projections is 7  $\mu\text{m}$  or more, and the number of the micro-projections is in the range of 2 to 30 and is formed so as to be distributed in the width direction of the top face on the printing convex portion.

3. A layer forming relief for transferring and printing an application fluid applied on top faces of printing convex portions on a printing object, the layer forming relief comprising the printing convex portions

formed as a strip, and a plurality of projected micro-stripes distributed on the top faces of the printing convex portions so as to form a groove between adjoining micro-stripes for retaining the application fluid.

4. The layer forming relief according to Claim 3, wherein the cross section of the projected micro-stripes in the direction perpendicular to the longitudinal direction is trapezoidal or rectangular, and the height of the projected micro-stripe is in the range of 2 to 55  $\mu\text{m}$ , the width of the top face of the projected micro-stripe is 3.5  $\mu\text{m}$  or more, the space between the adjoining projected micro-stripes is 7  $\mu\text{m}$  or more, and the number of the projected micro-stripes is in the range of 2 to 33 and is formed so as to be distributed in the width direction of the top face on the printing convex portion.

5. The layer forming relief according to Claim 1, wherein the printing convex portions formed as strips are aligned to be parallel with each other with a prescribed space.

6. The layer forming relief according to Claim 2, wherein the printing convex portions formed as strips are aligned to be parallel with each other with a prescribed

space.

7. The layer forming relief according to Claim 3, wherein the printing convex portions formed as strips are aligned to be parallel with each other with a prescribed space.

8. The layer forming relief according to Claim 4, wherein the printing convex portions formed as strips are aligned to be parallel with each other with a prescribed space.